

# Converting Colors

$Y_{xy}(43.3470, 0.4089, 0.4086)$

Have a look what the booklet for  
Yxy(43.3470, 0.4089, 0.4086)  
contains.

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# Color

**Yxy(43.4710, 0.4087, 0.4084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2AA69
RGB	210, 170, 105
RGB Percent	82%, 67%, 41%
CMY	0.1765, 0.3333, 0.5881
CMYK	0.00, 0.19, 0.50, 0.18
HSL	37°, 54%, 62%
HSV	37°, 50%, 82%
XYZ	43.5029, 43.4710, 19.4683
YIQ	174.5500, 44.7050, -11.7350

# Conversions

## Conversions Part 2

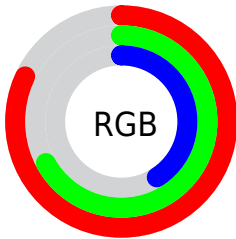
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 210, 105
Decimal	13806185
CIELab	71.87, 6.56, 38.83
CIELCh	72, 39.384, 80.408
Yxy	43.4710, 0.4087, 0.4084
Android (android.graphics.Color)	4291996265 (0xFFD2AA69)
YUV	174.5500, -34.2881, 31.0897
Hunter-Lab	65.9325, 2.3941, 28.6459

# Details

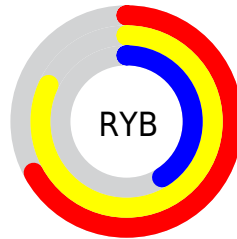
The Yxy color **43.4710, 0.4087, 0.4084** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.9125, 0.2291, 0.2318**, and the grayscale version is **42.7900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5447, 0.3813, 0.3982**, and **20.0147, 0.4337, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **40.1842, 0.4314, 0.4218**, and if you desaturate by 10%, it is **47.0511, 0.3865, 0.3931**.

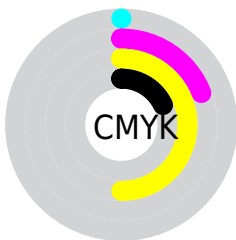
# Distribution



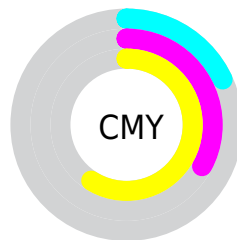
- Red (82%)
- Green (67%)
- Blue (41%)



- Red (67%)
- Yellow (82%)
- Blue (41%)



- Cyan (0%)
- Magenta (19%)
- Yellow (50%)
- Black (18%)




- Cyan (18%)
- Magenta (33%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4710, 0.4087, 0.4084 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 43.4710, 0.4087, 0.4084 by changing the saturation by 10% instead.





 43.4710, 0.4087,  
0.4084


 43.4710, 0.4087,  
0.4084


360.5452, 0.3611,  
0.3703

 30.2548, 0.4200,  
0.4170


 80.4211, 0.3917,  
0.3952


 20.0321, 0.4340,  
0.4272


 104.9239, 0.3852,  
0.3900

 12.4184, 0.4515,  
0.4394


 133.9577, 0.3797,  
0.3856

 7.0293, 0.4733,  
0.4534

 167.9068, 0.3749,  
0.3817

 3.4804, 0.5169,  
0.4831

207.1557, 0.3708,  
0.3783

 1.3874, 0.5272,  
0.4728

252.0889, 0.3672,

 0.2074, 0.6327,

0.3753

0.3673

303.0905, 0.3639,  
0.3727

0.0000, 0.0000,  
0.0000

43.4710, 0.4087,  
0.4084

43.4710, 0.4087,  
0.4084

40.1842, 0.4314,  
0.4218

47.0511, 0.3865,  
0.3931

37.1734, 0.4537,  
0.4321

50.9285, 0.3655,  
0.3768

34.4280, 0.4744,  
0.4381

55.1151, 0.3461,  
0.3603

31.9340, 0.4923,  
0.4391

59.6198, 0.3285,  
0.3443

29.6680, 0.5072,  
0.4354


64.4512, 0.3127,  
0.3290

 29.6653, 0.5073,  
0.4354

 69.6174, 0.2986,  
0.3146

 75.1263, 0.2862,  
0.3013

 79.7697, 0.2849,  
0.3069

 84.4285, 0.2853,  
0.3154

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4710, 0.4253, 0.3691



43.4710, 0.4087, 0.4084



43.4710, 0.3664, 0.4307

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.4710, 0.4087, 0.4084



43.4710, 0.2246, 0.3214



43.4710, 0.3054, 0.2550

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43.4710, 0.4087, 0.4084



27.9125, 0.2291, 0.2318

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.4710, 0.2547, 0.2409



43.4710, 0.4087, 0.4084



43.4710, 0.2116, 0.2735

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.4710, 0.4087, 0.4084



43.4710, 0.2602, 0.3787



43.4710, 0.2221, 0.2462



43.4710, 0.3629, 0.2849



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.4710, 0.4087, 0.4084



43.4710, 0.3305, 0.4287



43.4710, 0.2221, 0.2462



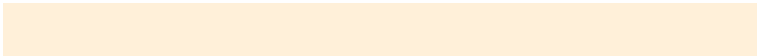
43.4710, 0.2870, 0.2483

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



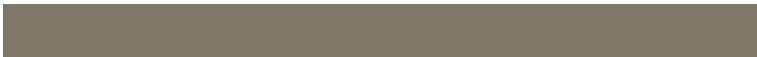
43.4731, 0.4087, 0.4084



88.8295, 0.3374, 0.3525



25.8614, 0.3971, 0.2794



18.6971, 0.3412, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.4731, 0.4087, 0.4084



62.0218, 0.4330, 0.4226



59.0832, 0.3752, 0.4541



13.0095, 0.3275, 0.3434



18.2957, 0.5056, 0.4367



1.1736, 0.4857, 0.4525

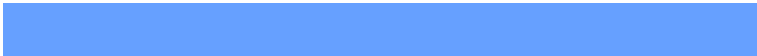


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9125, 0.2291, 0.2318



35.2858, 0.2115, 0.2064



18.5615, 0.2272, 0.1753



12.1454, 0.2982, 0.3142



6.5181, 0.1672, 0.1220



0.5159, 0.1776, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 43.4710, 0.4087, 0.4084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

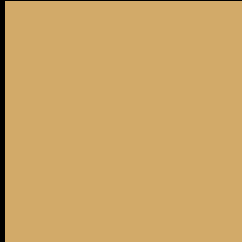
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.4710, 0.4087, 0.4084 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

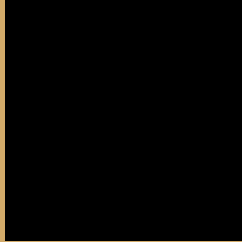
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.4710, 0.4087, 0.4084**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.4710, 0.4087, 0.4084.

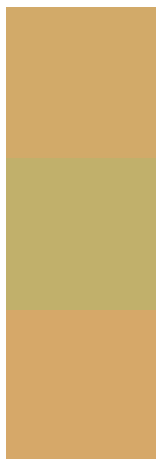


This preview shows how white text looks on a background with the Yxy color 43.4710, 0.4087, 0.4084.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

43.4710, 0.4087, 0.4084

### Protanopia

43.4497, 0.3870, 0.4186

### Deuteranopia

43.3213, 0.4139, 0.4049



## Tritanopia

43.4956, 0.3536, 0.3146

# Trichromacy



## Original Color

43.4710, 0.4087, 0.4084

## Protanomaly

43.4548, 0.3948, 0.4155

## Deuteranomaly

43.5420, 0.4123, 0.4063

## Tritanomaly

43.3763, 0.3749, 0.3489

# Monochromacy



## Original Color

43.4710, 0.4087, 0.4084

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.7805, 0.3464, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.4710, 0.4087, 0.4084 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 170, 105)` looks like.

```
.text, #text, p{  
    color:rgb(210, 170, 105)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 170, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 170, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 43.4710, 0.4087, 0.4084 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 170, 105) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(210, 170, 105) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(210, 170, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 170, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 170, 105);  
box-shadow:4px 4px 4px 4px rgb(210, 170,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.4710, 0.4087, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 170, 105) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210,  
170, 105) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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